

FIG. 1

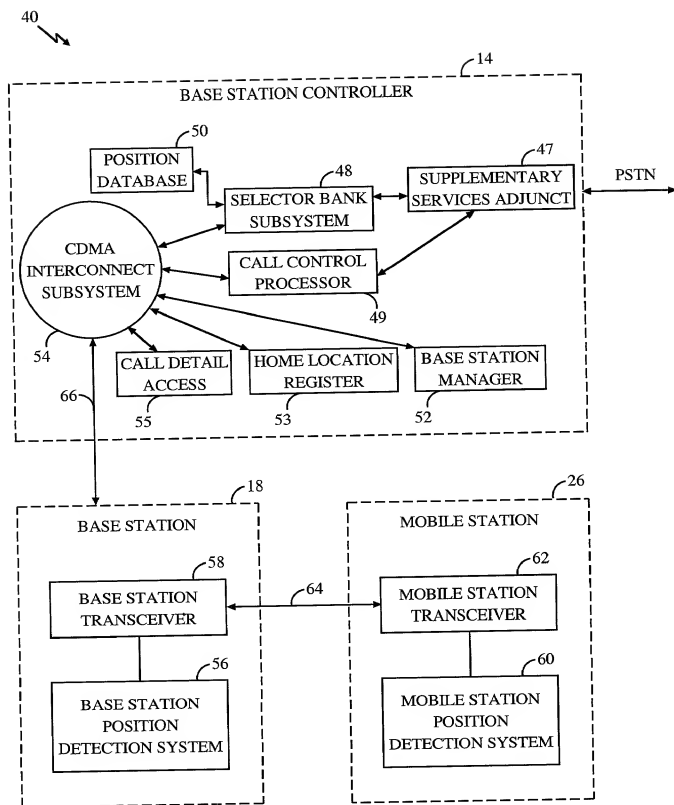


FIG. 2

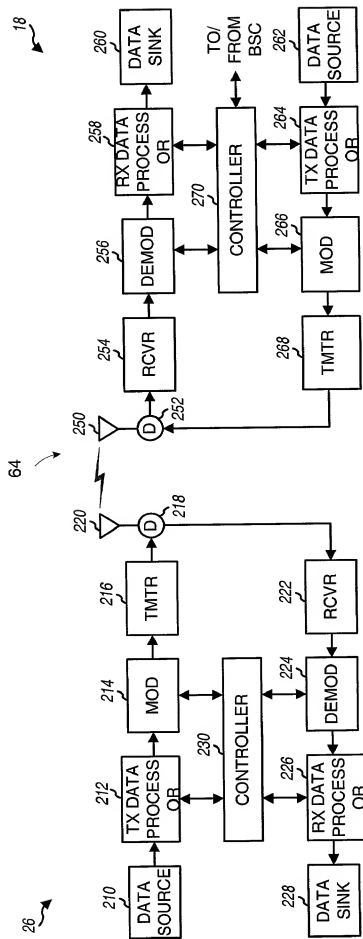


FIG. 3

MOBILE STATION

USER CONVERSATION USING A

- PILOT B STRENGTH EXCEEDS T_ADD.
- SENDS PILOT STRENGTH MEASUREMENT MESSAGE

- RECEIVES EXTENDED HANDOFF DIRECTION MESSAGE.

- ACQUIRES B; BEGINS USING ACTIVE SET {A,B}.

- SENDS HANDOFF COMPLETION MESSAGE.

- HANDOFF DROP TIMER OF PILOT A EXPIRES.
- SENDS PILOT STRENGTH MEASUREMENT MESSAGE.

- RECEIVES EXTENDED HANDOFF DIRECTION MESSAGE.

- STOPS DIVERSITY COMBINING; BEGINS USING ACTIVE SET {B}.

- SENDS HANDOFF COMPLETION MESSAGE.

USER CONVERSATION USING B

>REVERSE TRAFFIC<
CHANNEL

<FORWARD TRAFFIC<
CHANNEL

>REVERSE TRAFFIC<
CHANNEL

>REVERSE TRAFFIC<
CHANNEL

<FORWARD TRAFFIC<
CHANNEL

>REVERSE TRAFFIC<
CHANNEL

BASE STATION

USER CONVERSATION USING A

- A RECEIVES PILOT STRENGTH MEASUREMENT MESSAGE.
- B BEGINS TRANSMITTING TRAFFIC ON THE FORWARD TRAFFIC CHANNEL AND ACQUIRES THE REVERSE TRAFFIC CHANNEL.
- A AND B SEND EXTENDED HANDOFF DIRECTION MESSAGE TO USE A AND B.

- A AND B RECEIVE HANDOFF COMPLETION MESSAGE.

- A AND B RECEIVE PILOT STRENGTH MEASUREMENT MESSAGE.
- A AND B SEND EXTENDED HANDOFF DIRECTION MESSAGE TO USE B ONLY.

- A AND B RECEIVE HANDOFF COMPLETION MESSAGE.
- A STOPS TRANSMITTING ON THE FORWARD TRAFFIC CHANNEL AND RECEIVING ON THE REVERSE TRAFFIC CHANNEL.

USER CONVERSATION USING B

FIG. 4

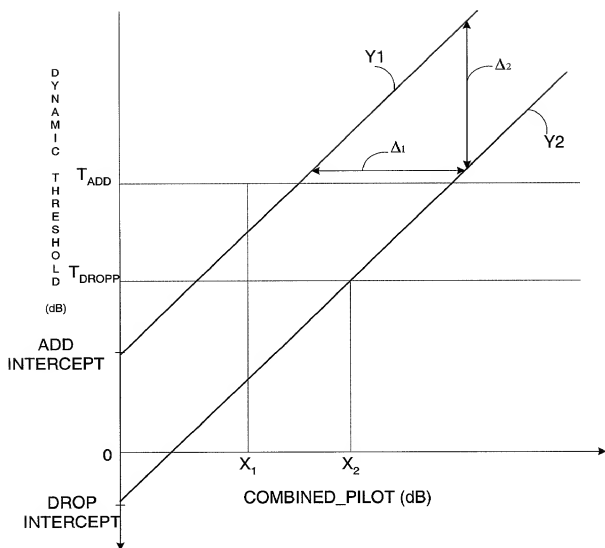


FIG. 5

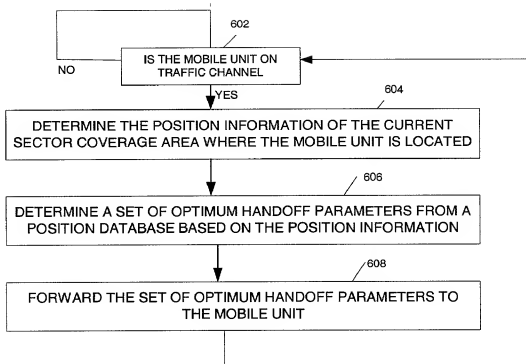


FIG. 6

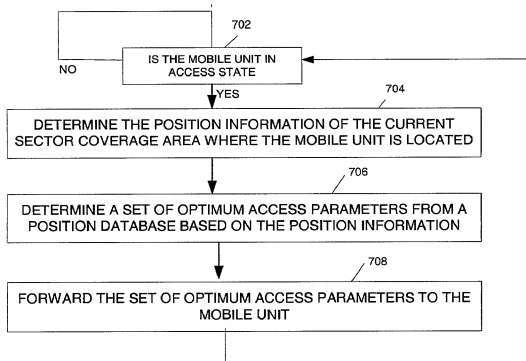


FIG. 7